

Code Amendment Proposal Form

For public amendments proposed to the 2021 editions of the International Codes



Instructions: Upload this form and all accompanying documentation. If you are submitting your proposal on a separate sheet, make sure it includes all information requested below.

All proposals must be received by **July 23, 2021**.

CONTACT INFORMATION

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Organization or Representing Self: Denver International Airport

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Signature:

AMENDMENT PROPOSAL

Please use a separate form for each proposal.

- 1) Code(s) associated with this proposal. Please use acronym: DBC-IBC
If you submitted a separate coordination change to another code, please indicate which code: _____

<u>Acronym</u>	<u>Code Name</u>	<u>Acronym</u>	<u>Code Name</u>
DBC-AP	Denver Building Code–Administrative Provisions	IFC	International Fire Code
DBC-xxx	Denver Building Code–xxx (code) amendments (e.g., DBC-IBC, DBC-IEBC)	IFGC	International Fuel Gas Code
IBC	International Building Code	IRC	International Residential Code
IEBC	International Existing Building Code	IMC	International Mechanical Code
IECC	International Energy Conservation Code	IPC	International Plumbing Code
		DGC	Denver Green Code

- 2) Please check here if a separate graphic file is provided:
Graphics may also be embedded within your proposal below.
- 3) Use this template to submit your proposal or attach a separate file, but please include all items requested below in your proposal. The only formatting needed is **BOLDING**, ~~STRIKEOUT~~ AND UNDERLINING. Please do not provide additional formatting such as tabs, columns, etc., as this will be done by CPD.

Code Sections/Tables/Figures Proposed for Revision:

DBC-IBC Appendix S, 4.8

Proposal:

Add new Section:

4.8.3 Uninterruptible Power Supply Power. The following equipment shall be provided with emergency power as defined in 4.8.1, and shall also be provided with uninterruptible power supply (UPS) power, at the minimum run times shown.

1. Emergency Communication Systems – 4 hours quiescent load, plus 15 minutes full load.
2. Radio Enhancement Systems – 4 hours

- 3. Security Systems – 4 hours
- 4. Telephone and Electronic Systems – 4 hours
- 5. Terminal Units for Smoke Control – 4 hours
- 6. Two-way communication systems for life safety - 4 hours.

Supporting Information:

The purpose of this change is to clarify the battery backup requirements for emergency systems located throughout the airport. These requirements will apply to the Public and non-public areas of the Airport.

The reason is to clarify the expectations of which emergency systems will need to be on battery backup power. The unique power distribution system at the airport makes it difficult for Engineers and reviewers to determine which systems need battery backup power and the runtime associated with each system.

This change is expected to clarify which emergency systems will need to be on battery backup power. The runtimes have been coordinated with DFD and these are the minimums that they expect for future installations.

Referenced Standards:

N/A

Impact:

The impact is to clear up any misunderstanding as to what needs to be on battery backup power and to standardize the backup on the specific systems. This will help to lower cost of construction in terms of change orders as these requirements are not currently written down anywhere and will also reduce the cost of design as meetings with Engineers will no longer be required. This proposal is just clarifying the existing codes so that everyone is on the same page as to what is required.

Note: Discuss the impact of this proposal in this section AND indicate the impact of this amendment proposal for each of the following:

- The effect of the proposal on the cost of construction: Increase Reduce No Effect
- The effect of the proposal on the cost of design: Increase Reduce No Effect
- Is the proposal more or less restrictive than the I-codes: More Less Same

Departmental Impact: (To be filled out by CPD staff)

Note: CITY STAFF ONLY. Discuss the impact of this proposal in this section AND indicate the impact of this amendment proposal for each of the following:

- The effect of the proposal on the cost of review: Increase Reduce No Effect
- The effect of the proposal on the cost of enforcement/inspection: Increase Reduce No Effect